PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL WITH STREET LIGHTING AND INTERCONNECT AT THE INTERSECTION OF MD 450 (ANNAPOLIS RD) AND I-95 SOUTHBOUND RAMPS IN PRINCE GEORGE'S COUNTY. THE MODIFICATION INVOLVES THE RELOCATION OF PASSAGE DETECTION IN CONJUNCTION WITH GEOMETRIC CHANGES. THE PROJECT WILL ALSO REPLACE CROSSWALKS, STOP LINES AND OTHER PAVEMENT MARKINGS. MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

- 1. THE INTERSECTION OPERATES IN A NEMA FOUR (4) PHASE, FULLY-ACTUATED MODE, BOTH MD 450 APPROACHES OPERATE CONCURRENTLY AND A LEADING EXCLUSIVE LEFT TURN PHASE WITH A FLASHING RED ARROW PHASE IS PROVIDED FOR THE EASTBOUND LEFT TURN. THE SOUTHBOUND APPROACH FOR I-95 SOUTHBOUND OFF RAMP OPERATES AS ITS OWN PHASE. AN ALTERNATE PEDESTRIAN PHASE WITH AUDIBLE PEDESTRIAN SIGNALS IS PROVIDED TO CROSS MD 450 ACROSS THE WEST LEG. AN ACTUATED AUDIBLE PEDESTRIAN PHASE IS PROVIDED ACROSS I-95 SOUTHBOUND RAMPS.
- 2. AN EXISTING NEMA FULL-TRAFFIC-ACTUATED, EIGHT (8) PHASE CONTROLLER WITH VIDEO DETECTION INTERFACE, 2 WIRE CENTRAL CONTROL UNIT AND ALL NECESSARY EQUIPMENT IN A NEMA SIZE "6" BASE MOUNTED CABINET SHALL BE UTILIZED AT THIS LOCATION.

CONTACTS

DISTRICT (DISTRICT 3 - PRINCE GEORGE'S)

OFFICE OF TRAFFIC AND SAFETY

MR. BRIAN YOUNG DISTRICT ENGINEER 301-513-7311

301-513-7404

MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS

410-787-7630

MS. FELECIA MURPHY
ASSISTANT DISTRICT ENGINEER - TRAFFIC

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS

410-787-7630

MR. VICTOR GRAFTON

MR. EDWARD RODENHIZER

DISTRICT UTILITY ENGINEER 301-513-7350

CHIEF, SIGNAL OPERATIONS SECTION 410-787-7650

MR. KEVIN NOWAK & MR. DUANE BERNARD

MR. EUGENE BAILEY

ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 301-513-7336

CHIEF, SIGN OPERATIONS SECTION 410-787-7670

MR. VERNON STINNETT

MR. MICHAEL STOCKER

ASSISTANT DISTRICT ENGINEER - MAINTENANCE 301-513-7304

7.5 SF 1 EA SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)

410-787-7696

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADIMISTRATION

ITEM NO. QUANTITY

9571

DESCRIPTION

[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN

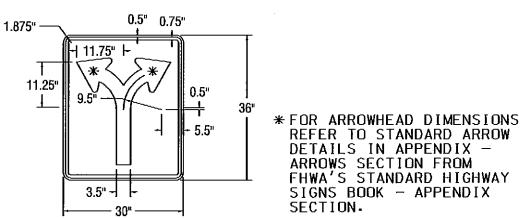
R3-5(MOD) (30"x36")

B. FOULTPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

B. EGGI WENT TO DE TONNISHED AND/ON INSTALLED DI CONTINCTON										
	ITEM NO.	QUANTITY	DESCRIPTION							
	500000	1110 SF	BRICK PATTERNED PREFORMED THERMOPLASTIC PAVEMENT MARKINGS							
	585621	360 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES							
	585625	115 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES							
	801706	7.5 SF	REMOVE SIGNS FROM EXISTING OVERHEAD STRUCTURE							
	810601	3 EA	NONINVASIVE DETECTOR, 500 FOOT LEAD IN CABLE							
	811002	4 EA	REMOVE ELECTRICAL HANDHOLE							
	813015	7.5 SF	INSTALL OVERHEAD SIGN							
	860265	2 EA	RELOCATE EXISTING SIGNAL HEAD							

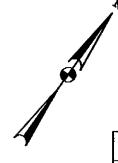
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATIONS.

DETAIL C: R3-5(MOD) (N.T.S.)



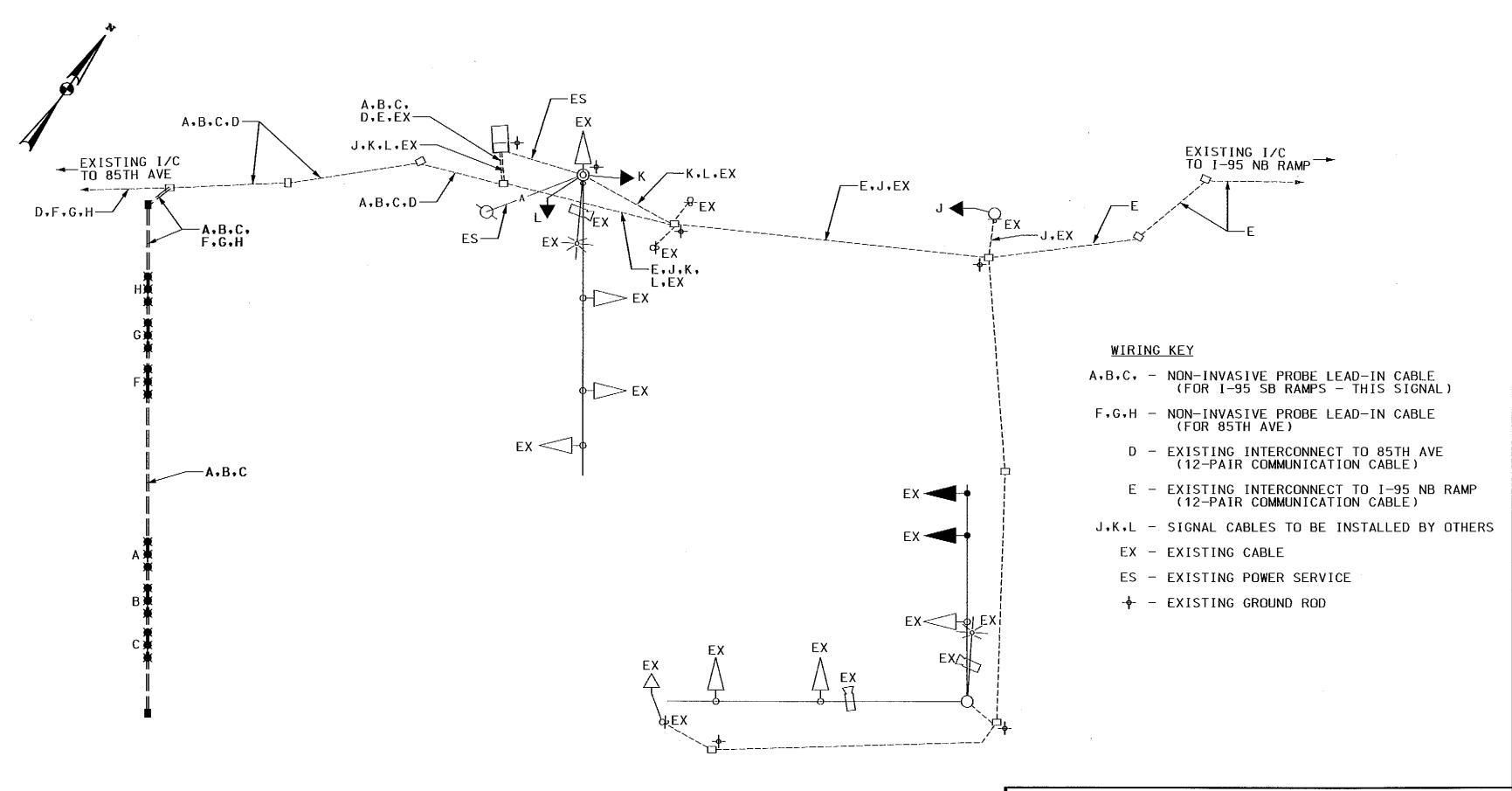
BACKGROUND - WHITE (RETROREFLECTIVE)

COLORS: LEGEND - BLACK



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PHASE 1 AND 6	∢ G−	∢ G−	G	G	R	R	R	R	R	DW	DW	DW	DW	[⊥] ≱ ⊢
1 CHANGE	∢ Y−	∢ Y−	G	G	R	R	R	R	R	DW	DW	DW	DW	 →
PHASE 2 AND 6	 FL⁄R−	 FL∕R−	G	G	G	G	R	R	R	WK	WK	DW	DW	Т
PED CLEAR	∢ FL∕R−	∢FL ∕R−	G	G	G	G	R	R	R	FL/DW	FL/DW	DW	DW	
2 AND 6 CHANGE	∢ R−	∢ R−	Y	Υ	Υ	Υ	R	R	R	DW	DW	DW	DW	
PHASE 4	∢ R−	∢ R−	R	R	R	R	G	G	G	DW	DW	DW	DW	-
4 CHANGE	∢ R−	∢ R−	R	R	R	R	Υ	Υ	Υ	DW	DW	DW	DW	↓
PHASE 4 ALT	∢ R−	∢ R−	R	R	R	R	G	G	G	DW	DW	WK	WK	. 1 .
PED CLEAR	∢ R−	∢ R	R	R	R	R	G	G	G	DW	DW	FL/DW	FL/DW	•
4 ALT CHANGE	∢ R−	∢ R−	R	R	R	R	Υ	Υ	Υ	DW	DW	DW	DW	I → •↓
FLASHING OPERATION	∢ FL∕R−	∢ FL∕R−	FLY	FLY	FLY	FLY	FL/R	FL⁄R	FL∕R	DARK	DARK	DARK	DARK	+

WIRING DIAGRAM





TS NO. 953G-GI

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 AT I-95 SB RAMP SIGNAL MODIFICATION

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE FEBRUARY 14, 2012 CONTRACT NO. PG5415176

NEW CARROLLTON, MD

 DESIGNED BY
 MF
 COUNTY
 PRINCE GEORGE'S

 DRAWN BY
 MF
 LOGMILE
 16045004.57

 CHECKED BY
 KMP
 TIMS NO.
 L092

 F.A.P. NO.
 TOD NO.

SHEET NO. 28 OF 28

DRAWING **SG-02** OF 02

PARSONS BRINCKERHOFF

100 S. Charles Street Tower 1, 10th Floor Baltimore, MD 21201 (Ph) 410-787-5050 (Fax) 410-727-4608 http://www.pbworld.com

PLOTTED: Tuesday, February 14, 2012 AT 08:47 PM
FILE: T:\173124A-TrafficDesignServices\TRF\49\Plans\pSG_N000-MD 450 @ I-95 SB Ramp.dgn